

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**STARRED QUESTION NO. \*202**

ANSWERED ON 03.08.2023

**LIVE STORAGE STATUS OF RESERVOIRS**

\*202      SHRI SANJAY SADASHIVRAO MANDLIK  
            SHRI PRATAPRAO JADHAV

Will the Minister of JAL SHAKTI be pleased to state:

(a) whether Central Water Commission monitors the live storage status of 146 reservoirs in the country on a weekly basis;

(b) if so, the details thereof and the total live storage capacity of the said reservoirs as on date, region-wise;

(c) whether the overall live storage position is down by six percent than the corresponding period of last year in the country;

(d) if so, the details thereof and the corrective measures taken/being taken by the Government to improve/increase the storage capacity of these reservoirs;

(e) whether water tables of forty reservoirs in southern region have remained eighteen percent below the last year's level due to deficient rainfall whereas reservoirs in northern region have improved significantly due to surplus rain; and

(f) if so, the details thereof and the steps taken by the Government to tackle the problem in southern region?

**ANSWER**

**THE MINISTER OF JAL SHAKTI**

(SHRI GAJENDRA SINGH SHEKHAWAT)

(a) to (f) : A statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF LOK SABHA STARRED QUESTION NO. \*202 TO BE ANSWERED ON 03.08.2023 REGARDING “LIVE STORAGE STATUS OF RESERVOIRS”.**

(a) Yes, Sir. Central Water Commission (CWC) monitors live storage status of 146 important reservoirs spread across the country and issues weekly bulletin on every Thursday.

(b) Region & State wise details of total live storage capacity of 146 important reservoirs as per CWC bulletin dated 27.07.2023 are given as **Annexure-I**.

(c) & (d) As per CWC bulletin dated 27.07.2023, the live storage available in 146 reservoirs is 85% of the live storage of corresponding period of last year. The prime reason for this is attributed to the non-uniform distribution of monsoon rainfall in the country.

Advisories are issued to the States to take necessary corrective measures and judicious use of available water.

The World Bank funded Dam Rehabilitation and Improvement Project (DRIP), Phase-I implemented during 2012-2021, had provision for need based de-siltation of few reservoirs to restore their lost capacity to the extent possible. Currently, DRIP Phase II and III scheme (2021-2031) is being implemented and this scheme has provision similar to DRIP Phase-I for carrying out need based de-siltation of selected reservoirs. The sediment management interventions under the scheme include *inter alia* catchment area treatment, de-siltation of reservoirs etc.

Recently, in this regard the Ministry of Jal Shakti has also formulated a “National Framework for Sediment Management” for managing sediments in a holistic manner.

(e) & (f) As per the CWC bulletin dated 27.07.2023, the live storage of 40 reservoirs in southern region is 50.4% of last year's storage of the corresponding period. The live storage status of these 40 reservoirs is given as **Annexure-II**. The live storage of 10 reservoirs monitored by CWC in northern region is 187.7% of last year's storage of corresponding period.

Further, weekly bulletin is shared with the Water Resources Departments of concerned States and also uploaded on the CWC website. This weekly bulletin is also shared with Crop Weather Watch Group (CWWG) of the Ministry of Agriculture and Farmers Welfare. Representatives of CWC attend meetings convened by CWWG to review agricultural activities across the country and to suggest remedial measures to States in case of distress situation. Crop Weather Watch Group on Drought Management (CWWGDM) of Ministry of Agriculture & Farmers Welfare, Government of India holds meeting every week during pre-monsoon season which is attended by representative of CWC to appraise status of reservoir storage in the country to enable CWWGDM to take further necessary action.

Also, whenever the percentage of departure of current storage of all reservoirs under CWC monitoring in a State falls below 80% of normal (average storage of last ten years), advisory is issued to the State Government for judicious use of available water.

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**ANNEXURE-I**

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF LOK SABHA STARRED QUESTION NO. \*202 TO BE ANSWERED ON 03.08.2023 “LIVE STORAGE STATUS OF RESERVOIRS”

<b>STATUS OF CURRENT STORAGE</b>				
		<b>27.07.2023</b>		
<b>S. NO.</b>	<b>REGION/STATE</b>	<b>LIVE STORAGE (BCM)</b>		<b>CURRENT YEAR % FROM LAST YEAR</b>
		<b>CURRENT YEAR</b>	<b>LAST YEAR</b>	
<b><u>NORTHERN REGION</u></b>				
1	HIMACHAL PRADESH	9.457	4.215	224
2	PUNJAB	2.039	1.111	184
3	RAJASTHAN	3.449	2.634	131
<b><u>EASTERN REGION</u></b>				
1	JHARKHAND	0.700	0.509	138
2	ODISHA	3.692	3.428	108
3	WEST BENGAL	0.332	0.583	57
4	TRIPURA	0.107	0.144	74
5	NAGALAND	0.279	0.210	133
6	BIHAR	0.049	0.060	82
<b><u>WESTERN REGION</u></b>				
1	GUJARAT	10.228	10.126	101
2	MAHARASHTRA	10.492	14.570	72
<b><u>CENTRAL REGION</u></b>				
1	UTTAR PRADESH	1.550	1.566	99
2	UTTARAKHAND	2.715	1.984	137
3	MADHYA PRADESH	18.178	18.902	96
4	CHHATISGARH	3.050	2.605	117
<b><u>SOUTHERN REGION</u></b>				
1	ANDHRA PRADESH/TELANGANA	1.263	7.393	17
2	ANDHRA PRADESH	1.070	2.730	39
3	TELANGANA	1.986	4.076	49
4	KARNATAKA	12.229	18.050	68
5	KERALA	1.327	2.407	55
6	TAMIL NADU	1.744	4.274	41
<b>COUNTRY AS A WHOLE</b>		<b>85.936</b>	<b>101.577</b>	<b>85</b>

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**ANNEXURE-II****ANNEXURE REFERRED TO IN REPLY TO PART (e) & (f) OF LOK SABHA STARRED QUESTION NO. \*202 TO BE ANSWERED ON 03.08.2023 “LIVE STORAGE STATUS OF RESERVOIRS”**

S.NO	NAME OF RESERVOIR	(STATE)	THIS YEAR LIVE STORAGE (BCM)	LAST YEAR LIVE STORAGE (BCM)	CURRENT YEAR % FROM LAST YEAR
1	SRISAILAM	Andhra Pradesh/Telangana	0.983	5.243	18.7
2	NAGARJUNA SAGAR	Andhra Pradesh/Telangana	0.28	2.15	13.0
3	SOMASILA	Andhra Pradesh	0.477	1.604	29.7
4	YELERU	Andhra Pradesh	0.08	0.141	56.7
5	KANDALERU	Andhra Pradesh	0.374	0.735	50.9
6	DONKARAYI	Andhra Pradesh	0.139	0.25	55.6
7	SRIRAMSAGAR	Telangana	0.596	2.128	28.0
8	LOWER MANAIR	Telangana	0.222	0.578	38.4
9	NIZAM SAGAR	Telangana	0.41	0.476	86.1
10	SINGUR	Telangana	0.602	0.76	79.2
11	PRIYADARSHINI JURALA	Telangana	0.156	0.134	116.4
12	KRISHNARAJA SAGARA	Karnataka	0.61	1.163	52.5
13	TUNGABHADRA	Karnataka	1.137	2.967	38.3
14	GHATAPRABHA(HIDKAL)	Karnataka	0.768	0.974	78.9
15	BHADRA	Karnataka	0.923	1.732	53.3
16	LINGANAMAKKI	Karnataka	1.765	2.601	67.9
17	NARAYANPUR	Karnataka	0.267	0.684	39.0
18	MALAPRABHA(RENUKA)	Karnataka	0.392	0.604	64.9
19	KABINI	Karnataka	0.415	0.438	94.7
20	HEMAVATHY	Karnataka	0.648	0.927	69.9
21	HARANGI	Karnataka	0.169	0.195	86.7
22	SUPA	Karnataka	1.943	1.892	102.7
23	VANI VILAS SAGAR	Karnataka	0.649	0.639	101.6
24	ALMATTI	Karnataka	2.05	2.587	79.2
25	GERUSOPPA	Karnataka	0.098	0.089	110.1
26	MANI DAM	Karnataka	0.273	0.412	66.3
27	TATTIHALLA	Karnataka	0.122	0.146	83.6
28	KALLADA(PARAPPAR)	Kerala	0.203	0.224	90.6
29	IDAMALAYAR	Kerala	0.392	0.654	59.9
30	IDUKKI	Kerala	0.439	0.958	45.8
31	KAKKI	Kerala	0.155	0.281	55.2
32	PERIYAR	Kerala	0.067	0.142	47.2
33	MALAMPUZHA	Kerala	0.071	0.148	48.0
34	LOWER BHAWANI	Tamil Nadu	0.482	0.792	60.9
35	METTUR(STANLEY)	Tamil Nadu	0.806	2.647	30.4
36	VAIGAI	Tamil Nadu	0.054	0.119	45.4
37	PARAMBIKULAM	Tamil Nadu	0.159	0.358	44.4
38	ALIYAR	Tamil Nadu	0.002	0.079	2.5
39	SHOLAYAR	Tamil Nadu	0.09	0.143	62.9
40	SATHANUR	Tamil Nadu	0.151	0.136	111.0
	<b>TOTAL</b>		<b>19.619</b>	<b>38.93</b>	<b>50.4</b>

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